**Aggregate/Group by/ having/nested query**

Display second highest salary from emp;

Select max(salary )from emp where salary <> (select max(salary ) from emp)

40 K 50000

Display employee name who is taking second highest salary

Select ename from emp where salary =( select max(salary) from emp where salary <>(select max(salary ) from emp))

Nitin🡪 40K

Display the name of emp taking highest sal

select ename from emp where salary=(select max(sal) from emp);

varun--🡪 50K

Group By Clause

**Display all the dept names along with the no. emp working in that.**

emp

emp-id e-name dept salary

1 ram Hr 10000

2 Amrit MKT 20000 Hr 2 Hr 30K

3 ravi Hr 30000 Mkt 2 Mkt 40K

4 nitin mkt 40000 IT 1 I T 50K

5 varun IT 50000

can we use where ?? Multiple times (per dept)

Groupby clause

group by dept

Select dept,count(\*) from emp group by dept;

Select dept,count(dept) from emp group by dept;

dept or aggregate function

Having clause:

Display all the dept name where no of emp are less than 2

can’t we use where??

select dept from emp group by dept having count(\*)<2

(Nested query)

Name of employee also

select ename from emp where dept in (select dept from emp group by dept having count(\*)<2)

IT

varun

**Display highest salary department wise and name of emp who is taking that salary**

select max(salary) from emp group by dept

30000

40000

50000

**select ename from emp where salary in (select max(salary )from emp group by dept)**

30K

40K

50 K

= single comparison

range (3 values to compare)